

COMMUNITY WORKSHOP TOOLS AND MATERIALS: PRELIMINARY BUDGET: V2.04

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WOOD-WORKING TOOLS / SUPPLIES / MATERIALS FOR FOR COMMUNITY WORKSHOP: (Furniture, "Cabinet-Making", Toys, Models, Boat Building)

Note: The selection of tools below also strongly supports workshop activities related to the Art and Ceramics groups and has been coordinated with them.

CUTTING / FORMING TOOLS:

Quantity	Description	Typical Make/Model	Cost (\$)	Comments / Purpose
1	Radial Arm Saw		\$ 750.00	(For larger wood)
1	DEWALT 12" 15 Amp Single-Bevel Compound Miter Saw		\$ 300.00	Best for fine work, picture frames
1	Hitachi 15-Amp 10" Table Saw		\$ 450.00	Best for fine work, ripping fine wods
1	Board Planer	G0453 15" Planer	\$ 995.00	Smoothing rough lumber, sizing boards
1	TableTop Band Saw		\$ 450.00	fine, curved cuts, small art objects
1	16" Variable Speed tabletop Scroll Saw	Chicago Electric	\$ 200.00	Very Fine cutting, Puzzles, boxes etc.
1	HandHeld Belt Sander		\$ 180.00	work on large items
1	Bench Top Wood Lathe		\$ 300.00	turn table legs, etc.
1	6" Jointer Planer		\$ 400.00	Fine joints for all furniture etc.
1	Variable Speed Router, selection of router bits		\$ 400.00	Picture frame mouldings, other
2	Hand fine wood saws, various blades		\$ 75.00	Hand tools
10	Hand files of different types		\$ 100.00	
4	Sets wood carving chisels		\$ 400.00	
4	Woodworking Vise		\$ 300.00	
2	Woodworking Planes		\$ 150.00	

JOINING TOOLS:

1	"Biscuit" Plate Joiner	\$ 200.00	Picture Frames, Other
1	Selection glues, fasteners	\$ 200.00	

MATERIALS:

1	Selection of Hardwoods	\$ 400.00	
1	Selection of Plastic Art materials	\$ 200.00	

SAFETY ITEMS:

3	General-Purpose face shields	\$ 45.00	General Cutting
3	Sets leather gloves	\$ 20.00	
2	Shop Vacuum Cleaner / Dust Collector	\$ 400.00	Dust Collection is important
Woodworking Subtotal:		\$ 2,490.00	

MODEL MAKING: FOR COMMUNITY WORKSHOP:

(Note: Most tools and supplies by participants)

1	Set smaller model-making tools, guides, etc.)	\$ 100.00	
Note:	Magazines, books from participants)	\$ -	
Subtotal: Model making		\$ 100.00	

PERSONAL COMPUTER TECHNOLOGY: FOR COMMUNITY WORKSHOP:

Computer Equipment: (dedicated to Computer Enthusiasts, for learning and tests in workshop environment)

1	General-Purpose Computer: HP P6510F 4Processor, 4GB, 700GB	\$ 750.00	
1	LCD Computer Monitor	\$ 350.00	
1	Computer Repair and cleaning toolkit	\$ 100.00	
Note:	Used older computers for learning, experiments	\$ -	
Subtotal: Computer Tech		\$ 1,200.00	

ELECTRICITY / ELECTRONICS: FOR COMMUNITY WORKSHOP:

(Electronics Learning, Projects, Repair)

Tools:

2	Soldering Iron with stand	\$ 150.00	
2	Basic Electronics Hand tools kit	\$ 100.00	
2	Basic Electrical multimeter	\$ 100.00	
1	Selection of other electronics tools	\$ 150.00	
2	Small Power Supply for experiments	\$ 100.00	

SAFETY ITEMS:

2	General-Purpose face shields	\$ 30.00	
Subtotal: Electronics		\$ 630.00	

Microcomputers/Robotics/Mechatronics:: FOR COMMUNITY WORKSHOP:

1	General-Purpose Computer: HP P6510F 4Processor, 4GB, 700GB	(Program Microcomputers)	\$	750.00	
1	LCD Computer Monitor		\$	350.00	
4	Beginning Microcomputer Learning Kits	"@\$65"	\$	260.00	(To allow teaching)
1	Electronics Toolkit		\$	100.00	
Subtotal: Microcomputers			\$	1,460.00	

METAL-WORKING TOOLS / MECHANICAL TOOLS / MATERIALS FOR FOR COMMUNITY WORKSHOP
(Mechanics / Artistic - Functional - Welding - Machining - building tools and devices)

CUTTING / FORMING TOOLS:

Quantity	Description	Typical Make/Model	Cost (\$)	Comments
2	Hand 'hack' saws, various blades		\$ 100.00	Metal, plastic cutting
1	Abrasive cutoff 'saw', electric	Chicago Electric	\$ 250.00	Metal Cutting
10	Hand files of different types		\$ 100.00	
1	12 Speed Heavy-Duty Bench-Top Drill Press		\$ 350.00	General Drilling
1	right-angle handheld electric grinder, Grinding wheels		\$ 100.00	Grinding
2	General-Purpose 3/8" Electric drills		\$ 150.00	General Drilling
2	Battery-Powered hand drills		\$ 200.00	
1	Metal cutting/bending Brake / Shear		\$ 250.00	Sheet Metal work
1	Simple metal-bending brake		\$ 100.00	Sheet Metal work
2	Sets Welding Helmet, gloves/apron (Teaching)		\$ 200.00	
2	Set of common hand tools		\$ 100.00	
1	Set socket wrenches, Set open-end, box wrenches		\$ 150.00	
1	Set Bicycle Repair Tools		\$ 100.00	

JOINING / WELDING TOOLS:

1	Small MIG (Metal Inert Gas) "wire-feed" electric welder	\$ 550.00	Weld Steel/Aluminum/Stainless steel
1	Gas cylinder for MIG welding	\$ 200.00	
1	Industrial Oxy-Acetylene Welding Outfit	\$ 300.00	Brazing, cutting
1	Rivet Tool	\$ 25.00	

MATERIALS:

1	Selection of welding wire	\$ 200.00	
1	Selection of brass and copper art metal materials	\$ 250.00	
1	Selection of small steel forms: Rod, bar, plate	\$ 250.00	
1	Selection of screws, rivets etc.	\$ 100.00	

SAFETY ITEMS:

3	General-Purpose face shields	\$ 45.00	
3	Welding helmet for MIG welding	\$ 300.00	(To allow teaching)
3	Welding glasses for Gas Welding	\$ 150.00	(To allow teaching)
5	Sets leather gloves	\$ 25.00	
2	Long welding gloves	\$ 30.00	
Metalworking Subtotal:		\$ 4,575.00	

TOTAL: COMMUNITY WORKSHOP \$ 10,455.00

WORKBENCHES, SHELVING, FIXTURES FOR COMMUNITY WORKSHOP:

6	general work tables, 3x8 ft approx.	?	
2	Woodworking Workbenches	\$800	
4	Heavy-Duty Power Extension cords	\$200	
6	Strong metal shelving units	?	
Furnishings Subtotal:		\$ 1,000.00	